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JC978 U.S. PTO
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April 10, 2001

WRITER'S DIRECT NUMBER:

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Commissioner for Patents
Washington, D.C. 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)
Appl. No: To be assigned (continuation of 09/103,577, filed June 24, 1998,
allowed)
Filed: April 10, 2001
For: **Method for Isolating and Recovering Target DNA or RNA
Molecules Having a Desired Nucleotide Sequence**
Inventors: P. Nisson *et al.*
Our Ref: 0942.4800002/RWE/ALS

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office:

1. PTO Fee Transmittal (Form PTO/SB/17) (*in duplicate*);
2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
3. U.S. Utility Patent Application entitled:

**Method for Isolating and Recovering Target DNA or RNA Molecules Having
a Desired Nucleotide Sequence**

and naming as inventors:

Commissioner for Patents

April 10, 2001

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Paul E. NISSON, Joel JESSE, and Wu-bo LI

the application consisting of:

- a A specification containing:
 - i. 46 pages of description prior to the claims (including a sequence listing on pages 42 to 46);
 - ii. 4 pages of claims (40 claims);
 - iii. a one (1) page abstract;
 - b 3 sheets of drawings: (Figures 1-3); and
 - c. A copy of the executed combined Declaration and Power of Attorney, as originally filed in parent U.S. Appl. No. 09/103,577;
- 4. Application Data Sheet;
 - 5. A Preliminary Amendment;
 - 6. Amendment and Submission of Substitute Sequence Listing Under 37 C.F.R. § 1.825(a);
 - 7. 4 pages of a paper copy of a sequence listing;
 - 8. A computer readable copy of the sequence listing;
 - 9. Letter to PTO Draftsman: Submission of Formal Drawings (*in duplicate*);
 - 10. Three (3) sheets of Formal Drawings (Figs. 1-3);
 - 11. Authorization to Treat a Reply As Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3) (*in duplicate*);
 - 12. A copy of the Assignment as originally filed in parent U.S. App. No. 09/103,577;
 - 13. A copy of the executed Power of Attorney from Assignee as originally filed in parent U.S. Appl. No. 09/103,577;

Commissioner for Patents

April 10, 2001

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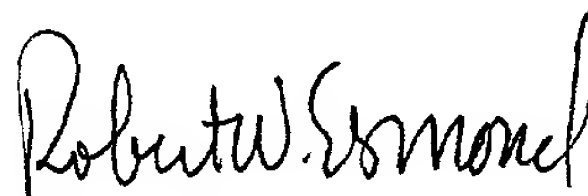
14. A copy of the certificate under 37 C.F.R. § 3.73(b) as originally filed in parent U.S. Appl. No. 09/103,577;
15. Revocation of Prior Power of Attorney and Appointment of New Attorneys of Record, as originally filed in parent U.S. Appl. No. 09/103,577;
16. A copy of the merger document between Life Technologies, Inc. and Invitrogen Corporation, recorded against parent U.S. Appl. No. 09/103,577 at Reel 011452, Frame 0123;
17. Two (2) return postcards; and
18. Our check No. 30909 for \$ 1,610.00 to cover:
\$ 710.00 Filing fee for patent application; and
\$ 900.00 Fee for excess claims.

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith in the above application are the same.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert W. Esmond
Attorney for Applicants
Registration No. 32,893

RWE/ALS/asl
Enclosures

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT \$ 1,610.00

Complete if Known

Application Number	To be assigned (Cont. of 09/103,577, filed June 24, 1998, allowed)
Filing Date	April 10, 2001
First Named Inventor	Paul E. NISSON
Examiner Name	To be assigned
Group Art Unit	To be assigned
Attorney Docket No.	0942.4800002/RWE/ALS

METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number 19-0036
Deposit Account Name Sterne, Kessler, Goldstein & Fox P.L.L.C.

- ☐ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

- ☐ Applicant claims small entity status See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☒ Other*

*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
101	201	710	355	Utility filing fee	\$710.00
106	206	320	160	Design filing fee	
107	207	490	245	Plant filing fee	
108	208	710	355	Reissue filing fee	
114	214	150	75	Provisional filing fee	
SUBTOTAL (1) (\$)					710.00

2. EXTRA CLAIM FEES

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
103	203	18	9	Claims in excess of 20	
102	202	80	40	Independent claims in excess of 3	
104	204	270	135	Multiple dependent claim	
108	209	80	40	**Reissue independent claims over original patent	
110	210	18	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2) (\$)					900.00

**or number previously paid, if greater, For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	130	123	130	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	481	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify):

Other fee (specify):

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Name (Print/Type)	Robert W. Esmond	Registration No. (Attorney/Agent)	32,893	Telephone	202-371-2600
Signature	Robert W. Esmond	Date	April 10, 2001		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

Certificate Under 37 C.F.R. § 3.73(b)

Applicant(s): Paul E. Nisson, Joel Jesse and Wu-bo Li

Application No: To Be Assigned Filed: Herewith

For: Method for Isolating and Recovering Target DNA or RNA Molecules having a Desired Nucleotide Sequence,

Life Technologies, Inc., a corporation,
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership,
 university, government agency, etc.)

states that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☐ An Assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

[or]

B. ☐ A chain of title from the inventor(s) of the patent application identified above to the current assignee as shown below:

1. From: _____ To: _____
 The document was recorded in the Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
 The document was recorded in the Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
 The document was recorded in the Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

To the best of the undersigned's knowledge and belief, title of the patent application identified above is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.